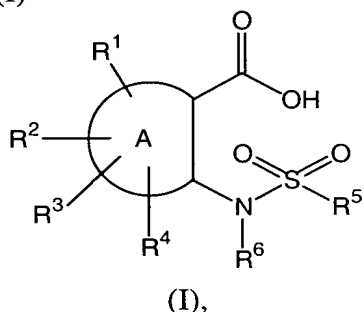


## WHAT IS CLAIMED IS

1. A compound of formula (I)



or a therapeutically acceptable salt thereof, wherein

A is a five- or six-membered aromatic or non-aromatic ring containing from zero to three atoms selected from the group consisting of nitrogen, oxygen, and sulfur; wherein the five- or six-membered ring is optionally fused to a second five-, six-, or seven-membered aromatic or non-aromatic ring containing from zero to three atoms selected from the group consisting of nitrogen, oxygen, and sulfur;

$R^1$ ,  $R^2$  and  $R^3$  are independently selected from the group consisting of hydrogen, alkenyl, alkoxy, alkoxyalkyl, alkoxy carbonyl, alkoxy carbonylalkyl, alkyl, alkyl carbonyloxy, alkylidene, alkyl sulfanyl, alkyl sulfanylalkyl, alkyl sulfonyl, alkyl sulfonylalkyl, amino, aminoalkyl, aminoalkenyl, aminoalkoxy, aminocarbonylalkenyl, aryl, carboxyalkenyl, carboxyalkyl, cyano, cycloalkyl, (cycloalkyl)alkyl, halo, haloalkoxy, haloalkyl, (heterocycle)alkyl, hydroxy, hydroxyalkyl, nitro;

$R^4$  is selected from the group consisting of hydrogen, alkenyl, alkoxy, alkoxyalkyl, alkoxy carbonyl, alkyl, alkyl carbonyl, alkyl sulfonyl, alkyl sulfanyl, alkyl sulfanylalkyl, carboxy, cyano, cyanoalkyl, cycloalkyl, (cycloalkyl)alkyl, halo, haloalkoxy, haloalkyl, heteroaryl, heterocycle, heterocyclealkyl, heterocyclealkenyl, hydroxy, hydroxyalkyl, nitro, phenyl, phenylsulfonyl,  $R_{c4}R_{d4}N-$ ,  $R_{c4}R_{d4}N$ alkyl,  $R_{c4}R_{d4}N$ alkenyl,  $R_{c4}R_{d4}N$ alkynyl,  $R_{c4}R_{d4}N$ alkoxy,  $R_{c4}R_{d4}N$ alkoxy carbonyl,  $R_{c4}R_{d4}N$ carbonyl,  $R_{c4}R_{d4}N$ cycloalkyl,  $R_{c4}R_{d4}N$ alkylcycloalkyl,  $R_{c4}R_{d4}N$ (cycloalkyl)alkyl,  $R_{c4}R_{d4}N$ sulfinyl,  $R_{e4}R_{f4}N$ alkyl( $R_{c4}$ ) $N-$ ,  $R_{e4}R_{f4}N$ alkyl( $R_{c4}$ ) $N$ carbonyl,  $R_{e4}R_{f4}N$ alkyl( $R_{c4}$ ) $N$ carbonylalkenyl,  $R_{e4}R_{f4}N$ alkylcarbonyl( $R_{c4}$ ) $N-$ ,  $R_{e4}R_{f4}N$ alkoxy carbonyl( $R_{c4}$ ) $N-$ ,  $R_{c4}R_{d4}N$ alkyl sulfanyl,  $R_{c4}R_{d4}N$ alkyl sulfinyl,  $R_{c4}R_{d4}N$ alkyl sulfonyl,  $R_{g4}R_{j4}N$ alkyl( $R_{e4}$ ) $N$ carbonyl( $R_{c4}$ ) $N-$ ; wherein the phenyl group, the phenyl group of phenylsulfonyl, the heteroaryl, the heterocycle, the heterocycle of heterocyclealkyl, the heterocycle of heterocyclealkenyl may be optionally substituted with 1, 2 or 3 substituents selected from the group consisting of alkoxy, alkyl, cyano, halo, haloalkoxy, haloalkyl, and nitro; and wherein  $R_{c4}$ ,  $R_{d4}$ ,  $R_{e4}$ ,  $R_{f4}$ ,  $R_{g4}$  and  $R_{j4}$  are each independently selected from the group consisting of hydrogen, alkoxyalkyl, alkyl,

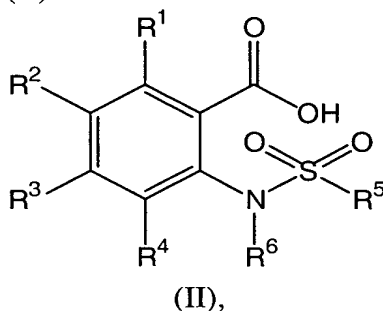
alkylcarbonyl, aminoalkyl, cycloalkyl, (cycloalkyl)alkyl, heterocycle and phenyl, or each individual pair of  $R_{c4}$  and  $R_{d4}$ , or  $R_{e4}$  and  $R_{f4}$ , or  $R_{g4}$  and  $R_{j4}$  taken together with the nitrogen atom they are each attached form a heterocycle;

$R^5$  is selected from the group consisting of alkyl, amino, aminoalkyl, aryl, arylalkenyl, arylalkyl, haloalkyl, heteroaryl, heteroarylalkenyl, heteroarylalkyl, heterocycle, heterocyclealkyl and heterocyclealkenyl, wherein aryl, the aryl group of arylalkenyl, the aryl group of arylalkyl, the heteroaryl, the heteroaryl of heteroarylalkenyl, the heteroaryl of heteroarylalkyl, and the heterocycle of  $R^5$  may be optionally substituted with 1, 2 or 3 substituents independently selected from the group consisting of alkenyl, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylsulfonyl, aminoalkyl, phenyl, phenylsulfonyl, carboxy, cyano, cyanoalkyl, halo, haloalkoxy, haloalkyl, heteroaryl, heterocycle, heterocyclealkyl, heterocyclealkenyl, hydroxy, nitro,  $R_{c5}R_{d5}N-$ ,  $R_{c5}R_{d5}Nalkyl$ ,  $R_{c5}R_{d5}Nalkenyl$ ,  $R_{c5}R_{d5}Nalkynyl$ ,  $R_{c5}R_{d5}Nalkoxy$ ,  $R_{c5}R_{d5}Nalkoxycarbonyl$ ,  $R_{c5}R_{d5}Ncarbonyl$ ,  $R_{c5}R_{d5}Ncycloalkyl$ ,  $R_{c5}R_{d5}Nalkylcycloalkyl$ ,  $R_{c5}R_{d5}Ncycloalkylalkyl$ ,  $R_{c5}R_{d5}Nsulfinyl$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})N-$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})Ncarbonyl$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})Ncarbonylalkenyl$ ,  $R_{e5}R_{f5}Nalkylcarbonyl(R_{c5})N-$ ,  $R_{e5}R_{f5}Nalkoxycarbonyl(R_{c5})N-$ ,  $R_{c5}R_{d5}Nalkylsulfanyl$ ,  $R_{c5}R_{d5}Nalkylsulfinyl$ ,  $R_{c5}R_{d5}Nalkylsulfonyl$ ,  $R_{g5}R_{j5}Nalkyl(R_{e5})Ncarbonyl(R_{c5})N-$ ; wherein the phenyl group, the phenyl group of phenylsulfonyl, the heteroaryl, the heterocycle, the heterocycle of heterocyclealkyl, the heterocycle of heterocyclealkenyl may be optionally substituted with 1, 2 or 3 substituents selected from the group consisting of alkoxy, alkyl, cyano, halo, haloalkoxy, haloalkyl, and nitro; and wherein  $R_{c5}$ ,  $R_{d5}$ ,  $R_{e5}$ ,  $R_{f5}$ ,  $R_{g5}$  and  $R_{j5}$  are each independently selected from the group consisting of hydrogen, alkoxyalkyl, alkyl, alkylcarbonyl, aminoalkyl, cycloalkyl, (cycloalkyl)alkyl, heterocycle and phenyl;

$R^6$  is selected from the group consisting of hydrogen, alkyl, alkylsulfanylalkyl, aryl, and arylalkyl; and

provided that when A is phenyl, at least one of  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  is other than hydrogen,  $C_1$  alkyl or halo.

2. A compound of formula (II)



or a therapeutically acceptable salt thereof, wherein

$R^1$ ,  $R^2$  and  $R^3$  are independently selected from the group consisting of hydrogen, alkenyl, alkoxy, alkoxyalkyl, alkoxycarbonyl, alkoxycarbonylalkyl, alkyl, alkylcarbonyloxy, alkylidene, alkylsulfanyl, alkylsulfanylalkyl, alkylsulfonyl, alkylsulfonylalkyl, amino, aminoalkyl, aminoalkenyl, aminoalkoxy, aminocarbonylalkenyl, aryl, carboxyalkenyl, carboxyalkyl, cyano, cycloalkyl, (cycloalkyl)alkyl, halo, haloalkoxy, haloalkyl, (heterocycle)alkyl, hydroxy, hydroxyalkyl, nitro; or

$R^1$  and  $R^2$  together with the carbon atoms to which they are attached, form a five-, six-, or seven-membered saturated or unsaturated carbocyclic ring which can be optionally substituted with 1 or 2 substituents independently selected from the group consisting of alkoxy, alkyl, amino, halo, and haloalkyl; or

$R^2$  and  $R^3$  together with the carbon atoms to which they are attached, form a five-, six-, or seven-membered saturated or unsaturated carbocyclic ring which can be optionally substituted with 1 or 2 substituents independently selected from the group consisting of alkoxy, alkyl, amino, halo, and haloalkyl;

$R^4$  is selected from the group consisting of hydrogen, alkenyl, alkoxy, alkoxyalkyl, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylsulfonyl, alkylsulfanyl, alkylsulfanylalkyl, carboxy, cyano, cyanoalkyl, cycloalkyl, (cycloalkyl)alkyl, halo, haloalkoxy, haloalkyl, heteroaryl, heterocycle, heterocyclealkyl, heterocyclealkenyl, hydroxy, hydroxyalkyl, nitro, phenyl, phenylsulfonyl,  $R_{c4}R_{d4}N-$ ,  $R_{c4}R_{d4}Nalkyl$ ,  $R_{c4}R_{d4}Nalkenyl$ ,  $R_{c4}R_{d4}Nalkynyl$ ,  $R_{c4}R_{d4}Nalkoxy$ ,  $R_{c4}R_{d4}Nalkoxycarbonyl$ ,  $R_{c4}R_{d4}Ncarbonyl$ ,  $R_{c4}R_{d4}Ncycloalkyl$ ,  $R_{c4}R_{d4}Nalkylcycloalkyl$ ,  $R_{c4}R_{d4}N(cycloalkyl)alkyl$ ,  $R_{c4}R_{d4}Nsulfinyl$ ,  $R_{e4}R_{f4}Nalkyl(R_{c4})N-$ ,  $R_{e4}R_{f4}Nalkyl(R_{c4})Ncarbonyl$ ,  $R_{e4}R_{f4}Nalkyl(R_{c4})Ncarbonylalkenyl$ ,  $R_{e4}R_{f4}Nalkylcarbonyl(R_{c4})N-$ ,  $R_{e4}R_{f4}Nalkoxycarbonyl(R_{c4})N-$ ,  $R_{c4}R_{d4}Nalkylsulfanyl$ ,  $R_{c4}R_{d4}Nalkylsulfinyl$ ,  $R_{c4}R_{d4}Nalkylsulfonyl$ ,  $R_{g4}R_{j4}Nalkyl(R_{c4})Ncarbonyl(R_{c4})N-$ ; wherein the phenyl group, the phenyl group of phenylsulfonyl, the heteroaryl, the heterocycle, the heterocycle of heterocyclealkyl, the heterocycle of heterocyclealkenyl may be optionally substituted with 1, 2 or 3 substituents selected from the group consisting of alkoxy, alkyl, cyano, halo, haloalkoxy, haloalkyl, and nitro; and wherein  $R_{c4}$ ,  $R_{d4}$ ,  $R_{e4}$ ,  $R_{f4}$ ,  $R_{g4}$  and  $R_{j4}$  are each independently selected from the group consisting of hydrogen, alkoxyalkyl, alkyl, alkylcarbonyl, aminoalkyl, cycloalkyl, (cycloalkyl)alkyl, heterocycle and phenyl, or each individual pair of  $R_{c4}$  and  $R_{d4}$ , or  $R_{e4}$  and  $R_{f4}$ , or  $R_{g4}$  and  $R_{j4}$  taken together with the nitrogen atom they are each attached form a heterocycle;

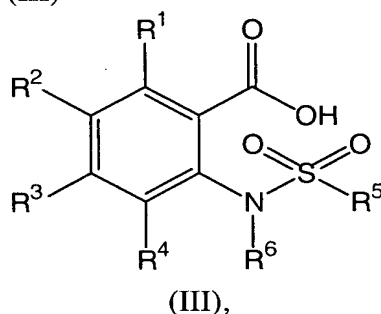
$R^5$  is selected from the group consisting of alkyl, amino, aminoalkyl, aryl, arylalkenyl, arylalkyl, haloalkyl, heteroaryl, heteroarylalkenyl, heteroarylalkyl, heterocycle, heterocyclealkyl and heterocyclealkenyl, wherein aryl, the aryl group of arylalkenyl, the aryl group of arylalkyl, the heteroaryl, the heteroaryl of heteroarylalkenyl, the heteroaryl of

heteroarylalkyl, and the heterocycle of  $R^5$  may be optionally substituted with 1, 2 or 3 substituents independently selected from the group consisting of alkenyl, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylsulfonyl, aminoalkyl, phenyl, phenylsulfonyl, carboxy, cyano, cyanoalkyl, halo, haloalkoxy, haloalkyl, heteroaryl, heterocycle, heterocyclealkyl, heterocyclealkenyl, hydroxy, nitro,  $R_{c5}R_{d5}N-$ ,  $R_{c5}R_{d5}Nalkyl$ ,  $R_{c5}R_{d5}Nalkenyl$ ,  $R_{c5}R_{d5}Nalkynyl$ ,  $R_{c5}R_{d5}Nalkoxy$ ,  $R_{c5}R_{d5}Nalkoxycarbonyl$ ,  $R_{c5}R_{d5}Ncarbonyl$ ,  $R_{c5}R_{d5}Ncycloalkyl$ ,  $R_{c5}R_{d5}Nalkylcycloalkyl$ ,  $R_{c5}R_{d5}Ncycloalkylalkyl$ ,  $R_{c5}R_{d5}Nsulfinyl$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})N-$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})Ncarbonyl$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})Ncarbonylalkenyl$ ,  $R_{e5}R_{f5}Nalkylcarbonyl(R_{c5})N-$ ,  $R_{e5}R_{f5}Nalkoxycarbonyl(R_{c5})N-$ ,  $R_{c5}R_{d5}Nalkylsulfonyl$ ,  $R_{c5}R_{d5}Nalkylsulfinyl$ ,  $R_{c5}R_{d5}Nalkylsulfonyl$ ,  $R_{g5}R_{j5}Nalkyl(R_{c5})Ncarbonyl(R_{c5})N-$ ; wherein the phenyl group, the phenyl group of phenylsulfonyl, the heteroaryl, the heterocycle, the heterocycle of heterocyclealkyl, the heterocycle of heterocyclealkenyl may be optionally substituted with 1, 2 or 3 substituents selected from the group consisting of alkoxy, alkyl, cyano, halo, haloalkoxy, haloalkyl, and nitro; and wherein  $R_{c5}$ ,  $R_{d5}$ ,  $R_{e5}$ ,  $R_{f5}$ ,  $R_{g5}$  and  $R_{j5}$  are each independently selected from the group consisting of hydrogen, alkoxyalkyl, alkyl, alkylcarbonyl, aminoalkyl, cycloalkyl, (cycloalkyl)alkyl, heterocycle and phenyl;

$R^6$  is selected from the group consisting of hydrogen, alkyl, alkylsulfonylalkyl, aryl, and arylalkyl; and

provided that at least one of  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  is other than hydrogen,  $C_1$  alkyl or halo.

### 3. A compound of formula (III)



or a therapeutically acceptable salt thereof, wherein

$R^1$  is selected from the group consisting of hydrogen,  $C_1$ - $C_4$  alkyl,  $C_2$ - $C_4$  alkenyl,  $C_1$ - $C_4$  alkoxy, halo, haloalkyl, haloalkoxy,  $R_aR_bN-$  and  $R_aR_bNalkoxy$ , wherein  $R_a$  and  $R_b$  are each independently selected from the group consisting of hydrogen and alkyl;

$R^2$  is selected from the group consisting of alkoxy, alkoxyalkyl,  $C_1$ - $C_{10}$  alkyl, alkylsulfonyl, alkylsulfonylalkyl, alkylsulfonylalkyl, amino, aminoalkyl, cycloalkyl, (cycloalkyl)alkyl, halo, haloalkoxy, and haloalkyl;

$R^3$  is selected from the group consisting of hydrogen, alkyl and halogen;

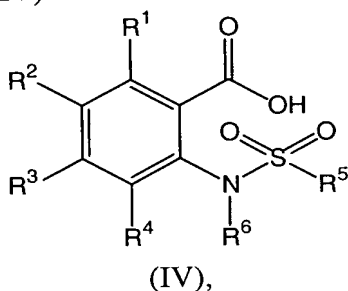
$R^4$  is selected from the group consisting of hydrogen, alkenyl, alkoxy, alkoxyalkyl, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylsulfonyl, alkylsulfanyl, alkylsulfanylalkyl, carboxy, cyano, cyanoalkyl, cycloalkyl, (cycloalkyl)alkyl, halo, haloalkoxy, haloalkyl, heteroaryl, heterocycle, heterocyclealkyl, heterocyclealkenyl, hydroxy, hydroxyalkyl, nitro, phenyl, phenylsulfonyl,  $R_{c4}R_{d4}N-$ ,  $R_{c4}R_{d4}Nalkyl$ ,  $R_{c4}R_{d4}Nalkenyl$ ,  $R_{c4}R_{d4}Nalkynyl$ ,  $R_{c4}R_{d4}Nalkoxy$ ,  $R_{c4}R_{d4}Nalkoxycarbonyl$ ,  $R_{c4}R_{d4}Ncarbonyl$ ,  $R_{c4}R_{d4}Ncycloalkyl$ ,  $R_{c4}R_{d4}Nalkylcycloalkyl$ ,  $R_{c4}R_{d4}N(cycloalkyl)alkyl$ ,  $R_{c4}R_{d4}Nsulfinyl$ ,  $R_{e4}R_{f4}Nalkyl(R_{c4})N-$ ,  $R_{e4}R_{f4}Nalkyl(R_{c4})Ncarbonyl$ ,  $R_{e4}R_{f4}Nalkylcarbonyl(R_{c4})N-$ ,  $R_{e4}R_{f4}Nalkoxycarbonyl(R_{c4})N-$ ,  $R_{c4}R_{d4}Nalkylsulfanyl$ ,  $R_{c4}R_{d4}Nalkylsulfinyl$ ,  $R_{c4}R_{d4}Nalkylsulfonyl$ ,  $R_{g4}R_{j4}Nalkyl(R_{e4})Ncarbonyl(R_{c4})N-$ ; wherein the phenyl group, the phenyl group of phenylsulfonyl, the heteroaryl, the heterocycle, the heterocycle of heterocyclealkyl, the heterocycle of heterocyclealkenyl may be optionally substituted with 1, 2 or 3 substituents selected from the group consisting of alkoxy, alkyl, cyano, halo, haloalkoxy, haloalkyl, and nitro; and wherein  $R_{c4}$ ,  $R_{d4}$ ,  $R_{e4}$ ,  $R_{f4}$ ,  $R_{g4}$  and  $R_{j4}$  are each independently selected from the group consisting of hydrogen, alkoxyalkyl, alkyl, alkylcarbonyl, aminoalkyl, cycloalkyl, (cycloalkyl)alkyl, heterocycle and phenyl, or each individual pair of  $R_{c4}$  and  $R_{d4}$ , or  $R_{e4}$  and  $R_{f4}$ , or  $R_{g4}$  and  $R_{j4}$  taken together with the nitrogen atom they are each attached form a heterocycle;

$R^5$  is selected from the group consisting of alkyl, amino, aminoalkyl, aryl, arylalkenyl, arylalkyl, haloalkyl, heteroaryl, heteroarylalkenyl, heteroarylalkyl, heterocycle, heterocyclealkyl and heterocyclealkenyl, wherein aryl, the aryl group of arylalkenyl, the aryl group of arylalkyl, the heteroaryl, the heteroaryl of heteroarylalkenyl, the heteroaryl of heteroarylalkyl, and the heterocycle of  $R^5$  may be optionally substituted with 1, 2 or 3 substituents independently selected from the group consisting of alkenyl, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylsulfonyl, aminoalkyl, phenyl, phenylsulfonyl, carboxy, cyano, cyanoalkyl, halo, haloalkoxy, haloalkyl, heteroaryl, heterocycle, heterocyclealkyl, heterocyclealkenyl, hydroxy, nitro,  $R_{c5}R_{d5}N-$ ,  $R_{c5}R_{d5}Nalkyl$ ,  $R_{c5}R_{d5}Nalkenyl$ ,  $R_{c5}R_{d5}Nalkynyl$ ,  $R_{c5}R_{d5}Nalkoxy$ ,  $R_{c5}R_{d5}Nalkoxycarbonyl$ ,  $R_{c5}R_{d5}Ncarbonyl$ ,  $R_{c5}R_{d5}Ncycloalkyl$ ,  $R_{c5}R_{d5}Nalkylcycloalkyl$ ,  $R_{c5}R_{d5}Ncycloalkylalkyl$ ,  $R_{c5}R_{d5}Nsulfinyl$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})N-$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})Ncarbonyl$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})Ncarbonylalkenyl$ ,  $R_{e5}R_{f5}Nalkylcarbonyl(R_{c5})N-$ ,  $R_{e5}R_{f5}Nalkoxycarbonyl(R_{c5})N-$ ,  $R_{c5}R_{d5}Nalkylsulfanyl$ ,  $R_{c5}R_{d5}Nalkylsulfinyl$ ,  $R_{c5}R_{d5}Nalkylsulfonyl$ ,  $R_{g5}R_{j5}Nalkyl(R_{e5})Ncarbonyl(R_{c5})N-$ ; wherein the phenyl group, the phenyl group of phenylsulfonyl, the heteroaryl, the heterocycle, the heterocycle of heterocyclealkyl, the heterocycle of heterocyclealkenyl may be optionally substituted with 1, 2 or 3 substituents selected from the group consisting of alkoxy, alkyl, cyano, halo,

haloalkoxy, haloalkyl, and nitro; and wherein  $R_{c5}$ ,  $R_{d5}$ ,  $R_{e5}$ ,  $R_{f5}$ ,  $R_{g5}$  and  $R_{j5}$  are each independently selected from the group consisting of hydrogen, alkoxyalkyl, alkyl, alkylcarbonyl, aminoalkyl, cycloalkyl, (cycloalkyl)alkyl, heterocycle and phenyl; and

$R^6$  is selected from the group consisting of hydrogen, alkyl, alkylsulfanylalkyl, aryl, and arylalkyl.

4. A compound of formula (IV)



or a therapeutically acceptable salt thereof, wherein

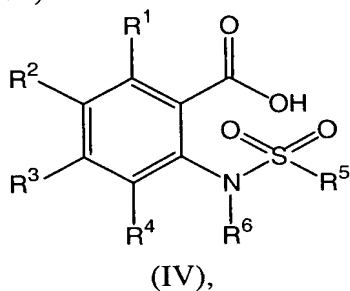
$R^1$  and  $R^2$ , together with the carbon atoms to which they are attached, form a five-, six-, or seven-membered saturated or unsaturated carbocyclic ring which can be optionally substituted with one or two substituents independently selected from the group consisting of alkoxy, alkyl, amino, halo, and haloalkyl;

$R^3$  is selected from the group consisting of hydrogen, alkyl and halogen;

$R^4$  is selected from the group consisting of hydrogen, alkenyl, alkoxy, alkoxyalkyl, alkoxy carbonyl, alkyl, alkylcarbonyl, alkylsulfonyl, alkylsulfanyl, alkylsulfanylalkyl, carboxy, cyano, cyanoalkyl, cycloalkyl, (cycloalkyl)alkyl, halo, haloalkoxy, haloalkyl, heteroaryl, heterocycle, heterocyclealkyl, heterocyclealkenyl, hydroxy, hydroxyalkyl, nitro, phenyl, phenylsulfonyl,  $R_{c4}R_{d4}N^-$ ,  $R_{c4}R_{d4}Nalkyl$ ,  $R_{c4}R_{d4}Nalkenyl$ ,  $R_{c4}R_{d4}Nalkynyl$ ,  $R_{c4}R_{d4}Nalkoxy$ ,  $R_{c4}R_{d4}Nalkoxycarbonyl$ ,  $R_{c4}R_{d4}Ncarbonyl$ ,  $R_{c4}R_{d4}Ncycloalkyl$ ,  $R_{c4}R_{d4}Nalkylcycloalkyl$ ,  $R_{c4}R_{d4}N(cycloalkyl)alkyl$ ,  $R_{c4}R_{d4}Nsulfinyl$ ,  $R_{e4}R_{f4}Nalkyl(R_{c4})N^-$ ,  $R_{e4}R_{f4}Nalkyl(R_{c4})Ncarbonyl$ ,  $R_{e4}R_{f4}Nalkyl(R_{c4})Ncarbonylalkenyl$ ,  $R_{e4}R_{f4}Nalkylcarbonyl(R_{c4})N^-$ ,  $R_{e4}R_{f4}Nalkoxycarbonyl(R_{c4})N^-$ ,  $R_{c4}R_{d4}Nalkylsulfanyl$ ,  $R_{c4}R_{d4}Nalkylsulfinyl$ ,  $R_{c4}R_{d4}Nalkylsulfonyl$ ,  $R_{g4}R_{j4}Nalkyl(R_{c4})Ncarbonyl(R_{c4})N^-$ ; wherein the phenyl group, the phenyl group of phenylsulfonyl, the heteroaryl, the heterocycle, the heterocycle of heterocyclealkyl, the heterocycle of heterocyclealkenyl may be optionally substituted with 1, 2 or 3 substituents selected from the group consisting of alkoxy, alkyl, cyano, halo, haloalkoxy, haloalkyl, and nitro; and wherein  $R_{c4}$ ,  $R_{d4}$ ,  $R_{e4}$ ,  $R_{f4}$ ,  $R_{g4}$  and  $R_{j4}$  are each independently selected from the group consisting of hydrogen, alkoxyalkyl, alkyl, alkylcarbonyl, aminoalkyl, cycloalkyl, (cycloalkyl)alkyl, heterocycle and phenyl, or each individual pair of  $R_{c4}$  and  $R_{d4}$ , or  $R_{e4}$  and  $R_{f4}$ , or  $R_{g4}$  and  $R_{j4}$  taken together with the nitrogen atom they are each attached form a heterocycle;

$R^5$  is selected from the group consisting of alkyl, amino, aminoalkyl, aryl, arylalkenyl, arylalkyl, haloalkyl, heteroaryl, heteroarylalkenyl, heteroarylalkyl, heterocycle, heterocyclealkyl and heterocyclealkenyl, wherein aryl, the aryl group of arylalkenyl, the aryl group of arylalkyl, the heteroaryl, the heteroaryl of heteroarylalkenyl, the heteroaryl of heteroarylalkyl, and the heterocycle of  $R^5$  may be optionally substituted with 1, 2 or 3 substituents independently selected from the group consisting of alkenyl, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylsulfonyl, aminoalkyl, phenyl, phenylsulfonyl, carboxy, cyano, cyanoalkyl, halo, haloalkoxy, haloalkyl, heteroaryl, heterocycle, heterocyclealkyl, heterocyclealkenyl, hydroxy, nitro,  $R_{c5}R_{d5}N-$ ,  $R_{c5}R_{d5}Nalkyl$ ,  $R_{c5}R_{d5}Nalkenyl$ ,  $R_{c5}R_{d5}Nalkynyl$ ,  $R_{c5}R_{d5}Nalkoxy$ ,  $R_{c5}R_{d5}Nalkoxycarbonyl$ ,  $R_{c5}R_{d5}Ncarbonyl$ ,  $R_{c5}R_{d5}Ncycloalkyl$ ,  $R_{c5}R_{d5}Nalkylcycloalkyl$ ,  $R_{c5}R_{d5}Ncycloalkylalkyl$ ,  $R_{c5}R_{d5}Nsulfinyl$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})N-$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})Ncarbonyl$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})Ncarbonylalkenyl$ ,  $R_{e5}R_{f5}Nalkylcarbonyl(R_{c5})N-$ ,  $R_{e5}R_{f5}Nalkoxycarbonyl(R_{c5})N-$ ,  $R_{c5}R_{d5}Nalkylsulfonyl$ ,  $R_{c5}R_{d5}Nalkylsulfinyl$ ,  $R_{c5}R_{d5}Nalkylsulfonyl$ ,  $R_{g5}R_{j5}Nalkyl(R_{e5})Ncarbonyl(R_{c5})N-$ ; wherein the phenyl group, the phenyl group of phenylsulfonyl, the heteroaryl, the heterocycle, the heterocycle of heterocyclealkyl, the heterocycle of heterocyclealkenyl may be optionally substituted with 1, 2 or 3 substituents selected from the group consisting of alkoxy, alkyl, cyano, halo, haloalkoxy, haloalkyl, and nitro; and wherein  $R_{c5}$ ,  $R_{d5}$ ,  $R_{e5}$ ,  $R_{f5}$ ,  $R_{g5}$  and  $R_{j5}$  are each independently selected from the group consisting of hydrogen, alkoxyalkyl, alkyl, alkylcarbonyl, aminoalkyl, cycloalkyl, (cycloalkyl)alkyl, heterocycle and phenyl; and  $R^6$  is selected from the group consisting of hydrogen, alkyl, alkylsulfonylalkyl, aryl, and arylalkyl.

5. A compound of formula (IV)



or a therapeutically acceptable salt thereof, wherein

$R^1$  and  $R^2$ , together with the carbon atoms to which they are attached, form a six membered monounsaturated carbocyclic ring which can be optionally substituted with one or two substituents independently selected from the group consisting of alkoxy, alkyl, amino, halo, and haloalkyl;

$R^3$  is selected from the group consisting of hydrogen, alkyl and halogen;

$R^4$  is selected from the group consisting of hydrogen, alkenyl, alkoxy, alkoxyalkyl, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylsulfonyl, alkylsulfanyl, alkylsulfanylalkyl, carboxy, cyano, cyanoalkyl, cycloalkyl, (cycloalkyl)alkyl, halo, haloalkoxy, haloalkyl, heteroaryl, heterocycle, heterocyclealkyl, heterocyclealkenyl, hydroxy, hydroxyalkyl, nitro, phenyl, phenylsulfonyl,  $R_{c4}R_{d4}N-$ ,  $R_{c4}R_{d4}Nalkyl$ ,  $R_{c4}R_{d4}Nalkenyl$ ,  $R_{c4}R_{d4}Nalkynyl$ ,  $R_{c4}R_{d4}Nalkoxy$ ,  $R_{c4}R_{d4}Nalkoxycarbonyl$ ,  $R_{c4}R_{d4}Ncarbonyl$ ,  $R_{c4}R_{d4}Ncycloalkyl$ ,  $R_{c4}R_{d4}Nalkylcycloalkyl$ ,  $R_{c4}R_{d4}N(cycloalkyl)alkyl$ ,  $R_{c4}R_{d4}Nsulfinyl$ ,  $R_{e4}R_{f4}Nalkyl(R_{c4})N-$ ,  $R_{e4}R_{f4}Nalkyl(R_{c4})Ncarbonyl$ ,  $R_{e4}R_{f4}Nalkyl(R_{c4})Ncarbonylalkenyl$ ,  $R_{e4}R_{f4}Nalkylcarbonyl(R_{c4})N-$ ,  $R_{e4}R_{f4}Nalkoxycarbonyl(R_{c4})N-$ ,  $R_{c4}R_{d4}Nalkylsulfanyl$ ,  $R_{c4}R_{d4}Nalkylsulfinyl$ ,  $R_{c4}R_{d4}Nalkylsulfonyl$ ,  $R_{g4}R_{j4}Nalkyl(R_{e4})Ncarbonyl(R_{c4})N-$ ; wherein the phenyl group, the phenyl group of phenylsulfonyl, the heteroaryl, the heterocycle, the heterocycle of heterocyclealkyl, the heterocycle of heterocyclealkenyl may be optionally substituted with 1, 2 or 3 substituents selected from the group consisting of alkoxy, alkyl, cyano, halo, haloalkoxy, haloalkyl, and nitro; and wherein  $R_{c4}$ ,  $R_{d4}$ ,  $R_{e4}$ ,  $R_{f4}$ ,  $R_{g4}$  and  $R_{j4}$  are each independently selected from the group consisting of hydrogen, alkoxyalkyl, alkyl, alkylcarbonyl, aminoalkyl, cycloalkyl, (cycloalkyl)alkyl, heterocycle and phenyl, or each individual pair of  $R_{c4}$  and  $R_{d4}$ , or  $R_{e4}$  and  $R_{f4}$ , or  $R_{g4}$  and  $R_{j4}$  taken together with the nitrogen atom they are each attached form a heterocycle;

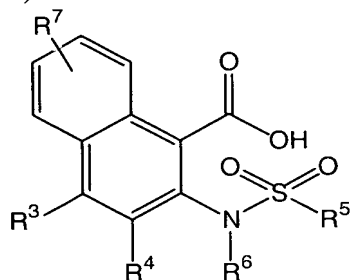
$R^5$  is selected from the group consisting of alkyl, amino, aminoalkyl, aryl, arylalkenyl, arylalkyl, haloalkyl, heteroaryl, heteroarylalkenyl, heteroarylalkyl, heterocycle, heterocyclealkyl and heterocyclealkenyl, wherein aryl, the aryl group of arylalkenyl, the aryl group of arylalkyl, the heteroaryl, the heteroaryl of heteroarylalkenyl, the heteroaryl of heteroarylalkyl, and the heterocycle of  $R^5$  may be optionally substituted with 1, 2 or 3 substituents independently selected from the group consisting of alkenyl, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylsulfonyl, aminoalkyl, phenyl, phenylsulfonyl, carboxy, cyano, cyanoalkyl, halo, haloalkoxy, haloalkyl, heteroaryl, heterocycle, heterocyclealkyl, heterocyclealkenyl, hydroxy, nitro,  $R_{c5}R_{d5}N-$ ,  $R_{c5}R_{d5}Nalkyl$ ,  $R_{c5}R_{d5}Nalkenyl$ ,  $R_{c5}R_{d5}Nalkynyl$ ,  $R_{c5}R_{d5}Nalkoxy$ ,  $R_{c5}R_{d5}Nalkoxycarbonyl$ ,  $R_{c5}R_{d5}Ncarbonyl$ ,  $R_{c5}R_{d5}Ncycloalkyl$ ,  $R_{c5}R_{d5}Nalkylcycloalkyl$ ,  $R_{c5}R_{d5}Ncycloalkylalkyl$ ,  $R_{c5}R_{d5}Nsulfinyl$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})N-$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})Ncarbonyl$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})Ncarbonylalkenyl$ ,  $R_{e5}R_{f5}Nalkylcarbonyl(R_{c5})N-$ ,  $R_{e5}R_{f5}Nalkoxycarbonyl(R_{c5})N-$ ,  $R_{c5}R_{d5}Nalkylsulfanyl$ ,  $R_{c5}R_{d5}Nalkylsulfinyl$ ,  $R_{c5}R_{d5}Nalkylsulfonyl$ ,  $R_{g5}R_{j5}Nalkyl(R_{e5})Ncarbonyl(R_{c5})N-$ ; wherein the phenyl group, the phenyl group of phenylsulfonyl, the heteroaryl, the heterocycle, the heterocycle of heterocyclealkyl, the heterocycle of heterocyclealkenyl may be optionally substituted with 1, 2 or 3 substituents selected from the group consisting of alkoxy, alkyl, cyano, halo, haloalkoxy, haloalkyl, and nitro; and wherein  $R_{c5}$ ,  $R_{d5}$ ,  $R_{e5}$ ,  $R_{f5}$ ,  $R_{g5}$  and  $R_{j5}$  are each



independently selected from the group consisting of hydrogen, alkoxyalkyl, alkyl, alkylcarbonyl, aminoalkyl, cycloalkyl, (cycloalkyl)alkyl, heterocycle and phenyl; and

$R^6$  is selected from the group consisting of hydrogen, alkyl, alkylsulfanylalkyl, aryl, and arylalkyl.

6. A compound of formula (V)



(V),

or a therapeutically acceptable salt thereof, wherein

$R^3$  is selected from the group consisting of hydrogen, alkyl and halogen;

$R^4$  is selected from the group consisting of hydrogen, alkenyl, alkoxy, alkoxyalkyl, alkoxy carbonyl, alkyl, alkylcarbonyl, alkylsulfonyl, alkylsulfanyl, alkylsulfanylalkyl, carboxy, cyano, cyanoalkyl, cycloalkyl, (cycloalkyl)alkyl, halo, haloalkoxy, haloalkyl, heteroaryl, heterocycle, heterocyclealkyl, heterocyclealkenyl, hydroxy, hydroxyalkyl, nitro, phenyl, phenylsulfonyl,  $R_{c4}R_{d4}N-$ ,  $R_{c4}R_{d4}Nalkyl$ ,  $R_{c4}R_{d4}Nalkenyl$ ,  $R_{c4}R_{d4}Nalkynyl$ ,  $R_{c4}R_{d4}Nalkoxy$ ,  $R_{c4}R_{d4}Nalkoxycarbonyl$ ,  $R_{c4}R_{d4}Ncarbonyl$ ,  $R_{c4}R_{d4}Ncycloalkyl$ ,  $R_{c4}R_{d4}Nalkylcycloalkyl$ ,  $R_{c4}R_{d4}N(cycloalkyl)alkyl$ ,  $R_{c4}R_{d4}Nsulfinyl$ ,  $R_{e4}R_{f4}Nalkyl(R_{c4})N-$ ,  $R_{e4}R_{f4}Nalkyl(R_{c4})Ncarbonyl$ ,  $R_{e4}R_{f4}Nalkyl(R_{c4})Ncarbonylalkenyl$ ,  $R_{e4}R_{f4}Nalkylcarbonyl(R_{c4})N-$ ,  $R_{e4}R_{f4}Nalkoxycarbonyl(R_{c4})N-$ ,  $R_{c4}R_{d4}Nalkylsulfanyl$ ,  $R_{c4}R_{d4}Nalkylsulfinyl$ ,  $R_{c4}R_{d4}Nalkylsulfonyl$ ,  $R_{g4}R_{j4}Nalkyl(R_{e4})Ncarbonyl(R_{c4})N-$ ; wherein the phenyl group, the phenyl group of phenylsulfonyl, the heteroaryl, the heterocycle, the heterocycle of heterocyclealkyl, the heterocycle of heterocyclealkenyl may be optionally substituted with 1, 2 or 3 substituents selected from the group consisting of alkoxy, alkyl, cyano, halo, haloalkoxy, haloalkyl, and nitro; and wherein  $R_{c4}$ ,  $R_{d4}$ ,  $R_{e4}$ ,  $R_{f4}$ ,  $R_{g4}$  and  $R_{j4}$  are each independently selected from the group consisting of hydrogen, alkoxyalkyl, alkyl, alkylcarbonyl, aminoalkyl, cycloalkyl, (cycloalkyl)alkyl, heterocycle and phenyl, or each individual pair of  $R_{c4}$  and  $R_{d4}$ , or  $R_{e4}$  and  $R_{f4}$ , or  $R_{g4}$  and  $R_{j4}$  taken together with the nitrogen atom they are each attached form a heterocycle;

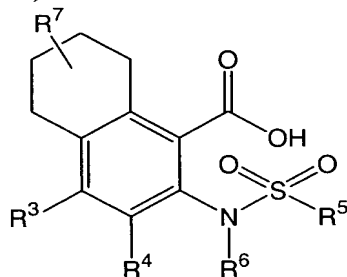
$R^5$  is selected from the group consisting of alkyl, amino, aminoalkyl, aryl, arylalkenyl, arylalkyl, haloalkyl, heteroaryl, heteroarylalkenyl, heteroarylalkyl, heterocycle, heterocyclealkyl and heterocyclealkenyl, wherein aryl, the aryl group of arylalkenyl, the aryl group of arylalkyl, the heteroaryl, the heteroaryl of heteroarylalkenyl, the heteroaryl of

heteroarylalkyl, and the heterocycle of  $R^5$  may be optionally substituted with 1, 2 or 3 substituents independently selected from the group consisting of alkenyl, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylsulfonyl, aminoalkyl, phenyl, phenylsulfonyl, carboxy, cyano, cyanoalkyl, halo, haloalkoxy, haloalkyl, heteroaryl, heterocycle, heterocyclealkyl, heterocyclealkenyl, hydroxy, nitro,  $R_{c5}R_{d5}N-$ ,  $R_{c5}R_{d5}Nalkyl$ ,  $R_{c5}R_{d5}Nalkenyl$ ,  $R_{c5}R_{d5}Nalkynyl$ ,  $R_{c5}R_{d5}Nalkoxy$ ,  $R_{c5}R_{d5}Nalkoxycarbonyl$ ,  $R_{c5}R_{d5}Ncarbonyl$ ,  $R_{c5}R_{d5}Ncycloalkyl$ ,  $R_{c5}R_{d5}Nalkylcycloalkyl$ ,  $R_{c5}R_{d5}Ncycloalkylalkyl$ ,  $R_{c5}R_{d5}Nsulfinyl$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})N-$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})Ncarbonyl$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})Ncarbonylalkenyl$ ,  $R_{e5}R_{f5}Nalkylcarbonyl(R_{c5})N-$ ,  $R_{e5}R_{f5}Nalkoxycarbonyl(R_{c5})N-$ ,  $R_{c5}R_{d5}Nalkylsulfonyl$ ,  $R_{c5}R_{d5}Nalkylsulfinyl$ ,  $R_{c5}R_{d5}Nalkylsulfonyl$ ,  $R_{g5}R_{j5}Nalkyl(R_{e5})Ncarbonyl(R_{c5})N-$ ; wherein the phenyl group, the phenyl group of phenylsulfonyl, the heteroaryl, the heterocycle, the heterocycle of heterocyclealkyl, the heterocycle of heterocyclealkenyl may be optionally substituted with 1, 2 or 3 substituents selected from the group consisting of alkoxy, alkyl, cyano, halo, haloalkoxy, haloalkyl, and nitro; and wherein  $R_{c5}$ ,  $R_{d5}$ ,  $R_{e5}$ ,  $R_{f5}$ ,  $R_{g5}$  and  $R_{j5}$  are each independently selected from the group consisting of hydrogen, alkoxyalkyl, alkyl, alkylcarbonyl, aminoalkyl, cycloalkyl, (cycloalkyl)alkyl, heterocycle and phenyl;

$R^6$  is selected from the group consisting of hydrogen, alkyl, alkylsulfonylalkyl, aryl, and arylalkyl; and

$R^7$  is selected from the group consisting of hydrogen,  $C_1$ - $C_3$  alkyl,  $C_2$ - $C_3$  alkenyl,  $C_2$ - $C_3$  alkoxy, halo, haloalkyl, haloalkoxy,  $R_aR_bN-$  and  $R_aR_bNalkoxy$ , wherein  $R_a$  and  $R_b$  are each independently selected from the group consisting of hydrogen and alkyl.

7. A compound of formula (VI)



(VI), .

or a therapeutically acceptable salt thereof, wherein

$R^3$  is selected from the group consisting of hydrogen, alkyl and halogen;

$R^4$  is selected from the group consisting of hydrogen, alkenyl, alkoxy, alkoxyalkyl, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylsulfonyl, alkylsulfonylalkyl, carboxy, cyano, cyanoalkyl, cycloalkyl, (cycloalkyl)alkyl, halo, haloalkoxy, haloalkyl, heteroaryl, heterocycle, heterocyclealkyl, heterocyclealkenyl, hydroxy, hydroxyalkyl, nitro,

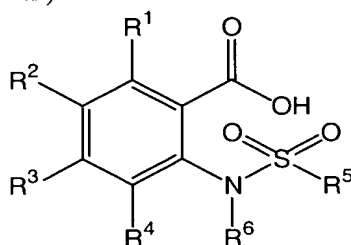
phenyl, phenylsulfonyl,  $R_{c4}R_{d4}N-$ ,  $R_{c4}R_{d4}Nalkyl$ ,  $R_{c4}R_{d4}Nalkenyl$ ,  $R_{c4}R_{d4}Nalkynyl$ ,  $R_{c4}R_{d4}Nalkoxy$ ,  $R_{c4}R_{d4}Nalkoxycarbonyl$ ,  $R_{c4}R_{d4}Ncarbonyl$ ,  $R_{c4}R_{d4}Ncycloalkyl$ ,  $R_{c4}R_{d4}Nalkylcycloalkyl$ ,  $R_{c4}R_{d4}N(cycloalkyl)alkyl$ ,  $R_{c4}R_{d4}Nsulfinyl$ ,  $R_{e4}R_{f4}Nalkyl(R_{c4})N-$ ,  $R_{e4}R_{f4}Nalkyl(R_{c4})Ncarbonyl$ ,  $R_{e4}R_{f4}Nalkyl(R_{c4})Ncarbonylalkenyl$ ,  $R_{e4}R_{f4}Nalkylcarbonyl(R_{c4})N-$ ,  $R_{e4}R_{f4}Nalkoxycarbonyl(R_{c4})N-$ ,  $R_{c4}R_{d4}Nalkylsulfanyl$ ,  $R_{c4}R_{d4}Nalkylsulfinyl$ ,  $R_{c4}R_{d4}Nalkylsulfonyl$ ,  $R_{g4}R_{j4}Nalkyl(R_{e4})Ncarbonyl(R_{c4})N-$ ; wherein the phenyl group, the phenyl group of phenylsulfonyl, the heteroaryl, the heterocycle, the heterocycle of heterocyclealkyl, the heterocycle of heterocyclealkenyl may be optionally substituted with 1, 2 or 3 substituents selected from the group consisting of alkoxy, alkyl, cyano, halo, haloalkoxy, haloalkyl, and nitro; and wherein  $R_{c4}$ ,  $R_{d4}$ ,  $R_{e4}$ ,  $R_{f4}$ ,  $R_{g4}$  and  $R_{j4}$  are each independently selected from the group consisting of hydrogen, alkoxyalkyl, alkyl, alkylcarbonyl, aminoalkyl, cycloalkyl, (cycloalkyl)alkyl, heterocycle and phenyl, or each individual pair of  $R_{c4}$  and  $R_{d4}$ , or  $R_{e4}$  and  $R_{f4}$ , or  $R_{g4}$  and  $R_{j4}$  taken together with the nitrogen atom they are each attached form a heterocycle;

$R^5$  is selected from the group consisting of alkyl, amino, aminoalkyl, aryl, arylalkenyl, arylalkyl, haloalkyl, heteroaryl, heteroarylalkenyl, heteroarylalkyl, heterocycle, heterocyclealkyl and heterocyclealkenyl, wherein aryl, the aryl group of arylalkenyl, the aryl group of arylalkyl, the heteroaryl, the heteroaryl of heteroarylalkenyl, the heteroaryl of heteroarylalkyl, and the heterocycle of  $R^5$  may be optionally substituted with 1, 2 or 3 substituents independently selected from the group consisting of alkenyl, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylsulfonyl, aminoalkyl, phenyl, phenylsulfonyl, carboxy, cyano, cyanoalkyl, halo, haloalkoxy, haloalkyl, heteroaryl, heterocycle, heterocyclealkyl, heterocyclealkenyl, hydroxy, nitro,  $R_{c5}R_{d5}N-$ ,  $R_{c5}R_{d5}Nalkyl$ ,  $R_{c5}R_{d5}Nalkenyl$ ,  $R_{c5}R_{d5}Nalkynyl$ ,  $R_{c5}R_{d5}Nalkoxy$ ,  $R_{c5}R_{d5}Nalkoxycarbonyl$ ,  $R_{c5}R_{d5}Ncarbonyl$ ,  $R_{c5}R_{d5}Ncycloalkyl$ ,  $R_{c5}R_{d5}Nalkylcycloalkyl$ ,  $R_{c5}R_{d5}Ncycloalkylalkyl$ ,  $R_{c5}R_{d5}Nsulfinyl$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})N-$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})Ncarbonyl$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})Ncarbonylalkenyl$ ,  $R_{e5}R_{f5}Nalkylcarbonyl(R_{c5})N-$ ,  $R_{e5}R_{f5}Nalkoxycarbonyl(R_{c5})N-$ ,  $R_{c5}R_{d5}Nalkylsulfanyl$ ,  $R_{c5}R_{d5}Nalkylsulfinyl$ ,  $R_{c5}R_{d5}Nalkylsulfonyl$ ,  $R_{g5}R_{j5}Nalkyl(R_{e5})Ncarbonyl(R_{c5})N-$ ; wherein the phenyl group, the phenyl group of phenylsulfonyl, the heteroaryl, the heterocycle, the heterocycle of heterocyclealkyl, the heterocycle of heterocyclealkenyl may be optionally substituted with 1, 2 or 3 substituents selected from the group consisting of alkoxy, alkyl, cyano, halo, haloalkoxy, haloalkyl, and nitro; and wherein  $R_{c5}$ ,  $R_{d5}$ ,  $R_{e5}$ ,  $R_{f5}$ ,  $R_{g5}$  and  $R_{j5}$  are each independently selected from the group consisting of hydrogen, alkoxyalkyl, alkyl, alkylcarbonyl, aminoalkyl, cycloalkyl, (cycloalkyl)alkyl, heterocycle and phenyl;

$R^6$  is selected from the group consisting of hydrogen, alkyl, alkylsulfanylalkyl, aryl, and arylalkyl; and

$R^7$  is selected from the group consisting of hydrogen,  $C_1$ - $C_3$  alkyl,  $C_2$ - $C_3$  alkenyl,  $C_2$ - $C_3$  alkoxy, halo, haloalkyl, haloalkoxy,  $R_aR_bN$ - and  $R_aR_bNalkoxy$ , wherein  $R_a$  and  $R_b$  are each independently selected from the group consisting of hydrogen and alkyl.

8. A compound of formula (VII)



(VII),

or a therapeutically acceptable salt thereof, wherein

$R^1$  is selected from the group consisting of hydrogen,  $C_1$ - $C_4$  alkyl,  $C_2$ - $C_4$  alkenyl,  $C_2$ - $C_4$  alkoxy, halo, haloalkyl, haloalkoxy,  $R_aR_bN$ - and  $R_aR_bNalkoxy$ , wherein  $R_a$  and  $R_b$  are each independently selected from the group consisting of hydrogen and alkyl;

$R^2$  and  $R^3$ , together with the carbon atoms to which they are attached, form a five-, six-, or seven-membered saturated or unsaturated carbocyclic ring which can be optionally substituted with one or two substituents independently selected from the group consisting of alkoxy, alkyl, amino, halo, and haloalkyl;

$R^4$  is selected from the group consisting of hydrogen, alkenyl, alkoxy, alkoxyalkyl, alkoxy carbonyl, alkyl, alkyl carbonyl, alkylsulfonyl, alkylsulfanyl, alkylsulfanylalkyl, carboxy, cyano, cyanoalkyl, cycloalkyl, (cycloalkyl)alkyl, halo, haloalkoxy, haloalkyl, heteroaryl, heterocycle, heterocyclealkyl, heterocyclealkenyl, hydroxy, hydroxyalkyl, nitro, phenyl, phenylsulfonyl,  $R_{c4}R_{d4}N$ -,  $R_{c4}R_{d4}Nalkyl$ ,  $R_{c4}R_{d4}Nalkenyl$ ,  $R_{c4}R_{d4}Nalkynyl$ ,  $R_{c4}R_{d4}Nalkoxy$ ,  $R_{c4}R_{d4}Nalkoxycarbonyl$ ,  $R_{c4}R_{d4}Ncarbonyl$ ,  $R_{c4}R_{d4}Ncycloalkyl$ ,  $R_{c4}R_{d4}Nalkylcycloalkyl$ ,  $R_{c4}R_{d4}N(cycloalkyl)alkyl$ ,  $R_{c4}R_{d4}Nsulfinyl$ ,  $R_{e4}R_{f4}Nalkyl(R_{c4})N$ -,  $R_{e4}R_{f4}Nalkyl(R_{c4})Ncarbonyl$ ,  $R_{e4}R_{f4}Nalkyl(R_{c4})Ncarbonylalkenyl$ ,  $R_{e4}R_{f4}Nalkylcarbonyl(R_{c4})N$ -,  $R_{e4}R_{f4}Nalkoxycarbonyl(R_{c4})N$ -,  $R_{c4}R_{d4}Nalkylsulfanyl$ ,  $R_{c4}R_{d4}Nalkylsulfinyl$ ,  $R_{c4}R_{d4}Nalkylsulfonyl$ ,  $R_{g4}R_{j4}Nalkyl(R_{e4})Ncarbonyl(R_{c4})N$ -, wherein the phenyl group, the phenyl group of phenylsulfonyl, the heteroaryl, the heterocycle, the heterocycle of heterocyclealkyl, the heterocycle of heterocyclealkenyl may be optionally substituted with 1, 2 or 3 substituents selected from the group consisting of alkoxy, alkyl, cyano, halo, haloalkoxy, haloalkyl, and nitro; and wherein  $R_{c4}$ ,  $R_{d4}$ ,  $R_{e4}$ ,  $R_{f4}$ ,  $R_{g4}$  and  $R_{j4}$  are each independently selected from the group consisting of hydrogen, alkoxyalkyl, alkyl, alkyl carbonyl, aminoalkyl, cycloalkyl, (cycloalkyl)alkyl, heterocycle and phenyl, or each individual pair of  $R_{c4}$  and  $R_{d4}$ , or  $R_{e4}$  and  $R_{f4}$ , or  $R_{g4}$  and  $R_{j4}$  taken together with the nitrogen atom they are each attached form a heterocycle;

$R^5$  is selected from the group consisting of alkyl, amino, aminoalkyl, aryl, arylalkenyl, arylalkyl, haloalkyl, heteroaryl, heteroarylalkenyl, heteroarylalkyl, heterocycle, heterocyclealkyl and heterocyclealkenyl, wherein aryl, the aryl group of arylalkenyl, the aryl group of arylalkyl, the heteroaryl, the heteroaryl of heteroarylalkenyl, the heteroaryl of heteroarylalkyl, and the heterocycle of  $R^5$  may be optionally substituted with 1, 2 or 3 substituents independently selected from the group consisting of alkenyl, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylsulfonyl, aminoalkyl, phenyl, phenylsulfonyl, carboxy, cyano, cyanoalkyl, halo, haloalkoxy, haloalkyl, heteroaryl, heterocycle, heterocyclealkyl, heterocyclealkenyl, hydroxy, nitro,  $R_{c5}R_{d5}N-$ ,  $R_{c5}R_{d5}Nalkyl$ ,  $R_{c5}R_{d5}Nalkenyl$ ,  $R_{c5}R_{d5}Nalkynyl$ ,  $R_{c5}R_{d5}Nalkoxy$ ,  $R_{c5}R_{d5}Nalkoxycarbonyl$ ,  $R_{c5}R_{d5}Ncarbonyl$ ,  $R_{c5}R_{d5}Ncycloalkyl$ ,  $R_{c5}R_{d5}Nalkylcycloalkyl$ ,  $R_{c5}R_{d5}Ncycloalkylalkyl$ ,  $R_{c5}R_{d5}Nsulfinyl$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})N-$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})Ncarbonyl$ ,  $R_{e5}R_{f5}Nalkyl(R_{c5})Ncarbonylalkenyl$ ,  $R_{e5}R_{f5}Nalkylcarbonyl(R_{c5})N-$ ,  $R_{e5}R_{f5}Nalkoxycarbonyl(R_{c5})N-$ ,  $R_{c5}R_{d5}Nalkylsulfanyl$ ,  $R_{c5}R_{d5}Nalkylsulfinyl$ ,  $R_{c5}R_{d5}Nalkylsulfonyl$ ,  $R_{g5}R_{j5}Nalkyl(R_{e5})Ncarbonyl(R_{c5})N-$ ; wherein the phenyl group, the phenyl group of phenylsulfonyl, the heteroaryl, the heterocycle, the heterocycle of heterocyclealkyl, the heterocycle of heterocyclealkenyl may be optionally substituted with 1, 2 or 3 substituents selected from the group consisting of alkoxy, alkyl, cyano, halo, haloalkoxy, haloalkyl, and nitro; and wherein  $R_{c5}$ ,  $R_{d5}$ ,  $R_{e5}$ ,  $R_{f5}$ ,  $R_{g5}$  and  $R_{j5}$  are each independently selected from the group consisting of hydrogen, alkoxyalkyl, alkyl, alkylcarbonyl, aminoalkyl, cycloalkyl, (cycloalkyl)alkyl, heterocycle and phenyl; and  $R^6$  is selected from the group consisting of hydrogen, alkyl, alkylsulfanylalkyl, aryl, and arylalkyl.

9. A method of inhibiting angiogenesis comprising administering to a patient in need of such treatment a therapeutically effective amount of a compound of Claim 1.
10. A method of inhibiting angiogenesis comprising administering to a patient in need of such treatment a therapeutically effective amount of a compound of Claim 2.
11. A method of inhibiting angiogenesis comprising administering to a patient in need of such treatment a therapeutically effective amount of a compound of Claim 3.
12. A method of inhibiting angiogenesis comprising administering to a patient in need of such treatment a therapeutically effective amount of a compound of Claim 4.
13. A method of inhibiting angiogenesis comprising administering to a patient in need of

such treatment a therapeutically effective amount of a compound of Claim 5.

14. A method of inhibiting angiogenesis comprising administering to a patient in need of such treatment a therapeutically effective amount of a compound of Claim 6.

15. A method of inhibiting angiogenesis comprising administering to a patient in need of such treatment a therapeutically effective amount of a compound of Claim 7.

16. A method of inhibiting angiogenesis comprising administering to a patient in need of such treatment a therapeutically effective amount of a compound of Claim 8.

17. A method of inhibiting methionine aminopeptidase-2 comprising administering to a patient in need of such treatment a therapeutically effective amount of a compound of formula (I), or a therapeutically acceptable salt thereof.

18. A method of treating cancer comprising administering to a patient in need of such treatment a therapeutically effective amount of a compound of formula (I), or a therapeutically acceptable salt thereof.

19. A pharmaceutical composition comprising a compound of claim 1 or a therapeutically acceptable salt thereof in combination with a therapeutically acceptable carrier.

20. A pharmaceutical composition comprising a compound of claim 6 or a therapeutically acceptable salt thereof in combination with a therapeutically acceptable carrier.

21. A method of treating abnormal neovascularization conditions of the eye comprising administering to a patient in need of such treatment a therapeutically effective amount of a compound of formula (I), or a therapeutically acceptable salt thereof.